L Number	Hits	Search Text	DB	Time stamp
-	784	((438/491) or (438/495) or (438/499) or (438/505) or	USPAT;	2003/05/27 12:51
		(438/508) or (438/761) or (438/.for291) or (438/.for292) or	US-PGPUB;	
		(438/.for293) or (438/.for302) or (438/.for314) or	EPO; JPO;	
		(438/.for393) or (438/.for394) or (438/.for400) or	DERWENT;	
		(427/255.38)).CCLS.	IBM_TDB	
-	234	(((438/491) or (438/495) or (438/499) or (438/505) or	USPAT;	2003/02/03 14:05
	ļ	(438/508) or (438/761) or (438/.for291) or (438/.for292) or	US-PGPUB;	
i		(438/.for293) or (438/.for302) or (438/.for314) or	EPO; JPO;	
		(438/.for393) or (438/.for394) or (438/.for400) or	DERWENT;	
	_	(427/255.38)).CCLS.) and dope? with (substrate wafer)	IBM_TDB	
-	0	(438/.for392).CCLS.	USPAT;	2003/02/03 14:04
			US-PGPUB;	
İ			EPO; JPO;	
			DERWENT;	
	_ ا	(400/5000) 001 0	IBM_TDB	
-	5	(438/for.392).CCLS.	USPAT;	2003/02/03 14:04
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	2398	(//39//01) or (/39//05) or (/39//00) or (/39//05) or	IBM_TDB	0000/00/00 44 05
-	2390	((438/491) or (438/495) or (438/499) or (438/505) or	USPAT;	2003/02/03 14:05
		(438/508) or (438/761) or (438/for.291) or (438/for.292) or (438/for.293) or (438/for.302) or (438/for.314) or	US-PGPUB;	
		(438/for.393) or (438/for.394) or (438/for.400) or	EPO; JPO; DERWENT;	
		(427/255.38)).CCLS.	IBM TDB	
_	310	(((438/491) or (438/495) or (438/499) or (438/505) or	USPAT:	2003/02/03 14:05
		(438/508) or (438/761) or (438/for.291) or (438/for.292) or	US-PGPUB:	2003/02/03 14.03
		(438/for.293) or (438/for.302) or (438/for.314) or	EPO; JPO;	
		(438/for.393) or (438/for.394) or (438/for.400) or	DERWENT:	
		(427/255.38)).CCLS.) and dope? with (substrate wafer)	IBM_TDB	
-	282	((((438/491) or (438/495) or (438/499) or (438/505) or	USPAT:	2003/02/03 14:06
		(438/508) or (438/761) or (438/for.291) or (438/for.292) or	US-PGPUB;	
[(438/for.293) or (438/for.302) or (438/for.314) or	EPO; JPO;	
		(438/for.393) or (438/for.394) or (438/for.400) or	DERWENT;	
		(427/255.38)).CCLS.) and dope? with (substrate wafer)) and	IBM_TDB	
	440	dope? with (layer epitaxial epitaxy epi film)		
-	110	(((((438/491) or (438/495) or (438/499) or (438/505) or	USPAT;	2003/02/03 14:07
		(438/508) or (438/761) or (438/for.291) or (438/for.292) or	US-PGPUB;	
		(438/for.293) or (438/for.302) or (438/for.314) or	EPO; JPO;	i
		(438/for.393) or (438/for.394) or (438/for.400) or	DERWENT;	
		(427/255.38)).CCLS.) and dope? with (substrate wafer)) and dope? with (layer epitaxial epitaxy epi film)) and (dopant dope	IBM_TDB	
		doping) with concentration	[
_	109	((((((438/491) or (438/495) or (438/499) or (438/505) or	USPAT:	2003/02/03 14:18
		(438/508) or (438/761) or (438/for.291) or (438/for.292) or	US-PGPUB;	2003/02/03 14.18
1	1	(438/for.293) or (438/for.302) or (438/for.314) or	EPO; JPO;	
	ĺ	(438/for.393) or (438/for.394) or (438/for.400) or	DERWENT;	
		(427/255.38)).CCLS.) and dope? with (substrate wafer)) and	IBM_TDB	
]	dope? with (layer epitaxial epitaxy epi film)) and (dopant dope		
	Ī	doping) with concentration) and @ad<=20011024		
-	25	4247862.URPN.	USPAT	2003/02/03 14:13
-	1	"4113513".PN.	USPAT	2003/02/03 14:14
-	4	(((((((438/491) or (438/495) or (438/499) or (438/505) or	USPAT;	2003/02/03 14:20
		(438/508) or (438/761) or (438/for.291) or (438/for.292) or	US-PGPUB;	
		(438/for.293) or (438/for.302) or (438/for.314) or	EPO; JPO;	
		(438/for.393) or (438/for.394) or (438/for.400) or	DERWENT;	
		(427/255.38)).CCLS.) and dope? with (substrate wafer)) and	IBM_TDB	
		dope? with (layer epitaxial epitaxy epi film)) and (dopant dope		
		doping) with concentration) and @ad<=20011024) and		
		((cross with talk) (parasitic with capacitance))		

30 ((((((438/48/15) or (438/495) or (438/695) or (438					
(438/508) or (438/for.302) or (438/for.314) or (438/for.292) or (438/for.393) or (438/for.302) or (438/for.314) or (438/for.302) or (438/for.303) or (438/for.302) or (438/for	-	30	(((((((438/491) or (438/495) or (438/499) or (438/505) or	USPAT;	2003/02/03 14:20
(438/for.293) or (438/for.394) or (438/for.292) or (438/for.394) or (438/for.292) or (438/for.393) or (438/for.394) or (438/for.292) or (438/for.393) or (438/for.394) or (438/for.392) or (438/for.392) or (438/for.394) or (438/for.392) or (438/for.394) or (438		<u> </u>			
(438/for.393) or (438/for.394) or (438/for.400) or (427/255.38)) CCLS.) and dope? with (substrate wafer)) and dope? with (layer epitaxial epitaxy epit film)) and (dopant dope doping) with concentration) and gad-=20011024) and ((cross with talk) (parasitic capacitance))					
(427/255.38), CCLS.) and dope? with (substrate wafer)) and dope? with (javer petikaxial epitaxy petikaxial) pitaxy petikaxial pitaxy pet					
dopeP with (layer epitaxial epitaxy epi film)) and (dopant dope doping) with concentration) and @ad<=20011024 and ((cross with talk) (parasitic capacitance))					
doping) with concentration) and @ad<=20011024) and ((cross with talk) (parastic capacitance))				1514 155	
Coross with talk) (parasitic capacitance)	Ì				
- 67 ((((((((438/491) or (438/495) or (438/495) or (438/60)) or (438/60)) or (438/60) or (427/255.38) CCLS.) and dope? with (substrate wafer)) and dope? with (substrate wafer)) and dope? with (substrate wafer)) and ((cross with talk) (parasitic capacitance) (carrier)) - 25				1	
(438/508) or (438/for) or (438/for) 291 or (438/for) 293) or (438/for) 293) or (438/for) 293) or (438/for) 409 or (438/for) 4					
(438/for,339) or (438/for,314) or (348/for,314) or (348	-	67			2003/02/03 14:20
(438/for,393) or (438/for,394) or (438/for,400) or (427/255.38). CCLS) and dope? with (substrate wafer)) and dope? with (layer epitaxial epitacy epi film)) and (dopant dope doping) with concentration) and @ad<=20011024) and ((eross with talk) (parasitic capacitance) (carrier)) 25					
(427/255.38).CCLS.) and dope? with (substrate wafer)) and dope? with (average repitaxial epitaxy epit limi) and (dopant doped oping) with concentration) and @ad<=20011024) and (cross with talk) (parasitic capacitance) (carrier)) 4247862.URPN.			(438/for.293) or (438/for.302) or (438/for.314) or	EPO; JPO;	
(427/255.38).CCLS.) and dope? with (substrate wafer)) and dope? with (aver epitaxial epitaxy epi film) and (dopant dope doping) with concentration) and @ad<=20011024) and ((cross with talk) (parasitic capacitance) (carrier)) 4247862.URPN.		1	(438/for.393) or (438/for.394) or (438/for.400) or	DERWENT:	
dope? with (layer epitaxy) epi film)) and (dopant dope doping) with concentration) and @ad<=20011024) and ((cross with talk) (parasitic capacitance) (carrier))			(427/255.38)) CCLS.) and dope? with (substrate wafer)) and	IBM TDB	
doping) with concentration) and @ad<=20011024) and (cross with talk) (parasitic capacitance) (carrier))					
Circoss with talk) (parasitic capacitance) (carrier)					
- 25 4247862 URPN.		[
- 4837648 URPN. 2 2 (**4562378" "5406093" "5529938"),PN. 2 3 (**4562378" "5406093" "5529938"),PN. 2 465693 URPN. 3 532689 URPN. 3 532689 URPN. 2 52 (**385647" "3900597" "4240196" "4251571" "4270960" "5497360" "510757" "51089556" "5110757" "5259511" "52293459" "53234659" "53234659" "5233459" "55233459" "55233459" "55323469" "5593355" "5753134" "5633552" "5753134" "5863659" "5280668"),PN. 4 438/491.ccls. - 79 (doped with lattice with matching) and @ad<=20011024	1_	25		LICOAT	2002/02/02 14:25
- 2 2 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 2 2 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 42 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) - 1 42 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 1 42 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 1 42 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 1 42 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 1 42 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 1 42 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 1 42 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance)	1 _	1			1
- 8 8 5332689 URPN		1			
- 8 5332889.URPN. 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1-				
- 22 ("3856647" "3900597" "4240196" "42515971" "4270960" "4631804" "4740202" "4897360" "5059556" "5110757" "5225951" "5333459" "5287081" "5289436" "53303595" "5319479" "5332698" "5393351" "5633552" "5753134" "5863559" "6288068"). PN. - 67 438/491.ccls. USPAT; US.PGPUB; EPO, JPO, DERWENT; IBM, TDB USPAT; US.PGPUB; EPO, JPO, DERWENT; ISM, TDB USPAT; US.PGPUB; EPO, JPO, DERWENT; ISM, TDB USPAT; US.PGPUB; EPO, JPO, DERWENT; US.PGPUB; EPO, JPO,	-	1	1		
"4631804" "4742020" "4897360" "5059556" "5110757" "5225951" "5233459" "5233459" "5233459" "5803688" "5303595" "5753134" "5863659" "6268068").PN.	-				
"5225951" "533459" "5237081" "528436" "5303595" "5319479" "5332689" "5393351" "5633552" "5753134" "5863659" "6268068").PN. 438/491.ccls. To pure the proof of the pr	1-	22	("3856647" "3900597" "4240196" "4251571" "4270960"	USPAT	2003/02/03 14:35
"5225951" "533459" "5237081" "5298436" "5303595" "5319479" "5332689" "5393351" "5633552" "5753134" "5863659" "6268068").PN. 438/491.ccls. To pure display the proof of the proof	1				
- 67 - 67 - 67 - 67 - 67 - 67 - 67 - 67	1]
- 67					
- 67 438/491.ccls. - 79 (doped with lattice with matching) and @ad<=20011024 - 83 doped with lattice with matching - 83 doped with lattice with matching - 83 doped with lattice with matching - 83 ((257/376) or (257/385) or (257/386) or (257/400)).CCLS. - 2 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) and (carrier parasitic) with (lifetime capacitance) - 142 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) and (carrier parasitic) with (lifetime capacitance)					
- 79 (doped with lattice with matching) and @ad<=20011024 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; ISM_TDB US-PGPUB; EPO; JPO; DERWENT	-	67		HSPAT.	2003/02/03 14:43
- 79 (doped with lattice with matching) and @ad<=20011024 EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; J				,	2000/02/00 14.40
- 79 (doped with lattice with matching) and @ad<=20011024 DERWENT; IBM_TDB USPAT; US-PGPUB; EPO, JPO, DERWENT; IBM_TDB USPAT; US-PGPUB; EPO, JPO; DERWEN	1				
- 83 (doped with lattice with matching) and @ad<=20011024 IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM_TDB USPAT; US-PGPUB; EPO; JPO; DPO; DPO; DPO; DPO; DPO; DPO; DPO; D					
- 83 doped with lattice with matching) and @ad<=20011024 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US		1		•	
- 83 doped with lattice with matching - 83 doped with lattice with matching - 623 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS. - 2 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 142 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance)		70	/dd		 _
- 83 doped with lattice with matching	-	/9	(doped with lattice with matching) and @ad<=20011024		2003/02/04 08:28
- 83 doped with lattice with matching - 623 ((257/376) or (257/385) or (257/386) or (257/400)).CCLS. - 2 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 15]
- 83 doped with lattice with matching		1		EPO; JPO;	
- 83 doped with lattice with matching				DERWENT;	
- 623 ((257/376) or (257/385) or (257/386) or (257/400)).CCLS. US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISPO;				IBM_TDB	
- 623 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS. EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PAT; US-	-	83	doped with lattice with matching	USPAT;	2003/02/04 09:07
- 623 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS. EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PAT; US-					
- 623 ((257/376) or (257/385) or (257/386) or (257/400)).CCLS. - 2 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance)					
- 623 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS. - 2 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 (((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) - 142 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 15					
- 2 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) - 142 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance)					
- 2 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) - 142 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) US-PGPUB; EPO; JPO; DERWENT; BM_TDB US-PAT; US-PGPUB; EPO; JPO; DERWENT; EPO; JPO; DERWENT;	_	623	((257/376) or (257/385) or (257/386) or (257/400)) CCLS		2003/02/04 00:07
- 2 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 150			(1-11-11-15) or (1-11-10-15) or (1-11-10-15), OCLO.		2000/02/04 08.07
- 2 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) - 142 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; U					
- 2 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 15					
- 2 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 150 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 150 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance)]				
and (doping doped) with (match matching) - 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 150/320			///OF7/076\ or /OF7/006\ /OF7/006\ /OF7/406\\ 0.5	IRW_IDR	
- 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 150	-	2			2003/02/04 09:09
- 1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) - 15			and (doping doped) with (match matching)		
- 142 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) 142 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) 15					
1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) 144 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) DERWENT; DS-PGPUB; EPO; JPO; DERWENT;]			
1 ((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) 144 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) DERWENT; DS-PGPUB; EPO; JPO; DERWENT;	1 1				
and (doping doped) with (match matching)) and (carrier parasitic) with (lifetime capacitance) 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	-	1	(((((257/376) or (257/385) or (257/386) or (257/400)).CCLS.)		2003/02/04 09:09
parasitic) with (lifetime capacitance) 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT;				•	
- 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) DERWENT; US-PGPUB; EPO; JPO; DERWENT;					
- 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) and (carrier parasitic) with (lifetime capacitance) IBM_TDB			, (
- 142 (((257/376) or (257/385) or (257/386) or (257/400)).CCLS.) uSPAT; uS-PGPUB; EPO; JPO; DERWENT;				•	
and (carrier parasitic) with (lifetime capacitance) US-PGPUB; EPO; JPO; DERWENT;	<u> </u>	142	((/257/376) or (257/385) or (257/296) or (257/400)) COLO.)		0000/00/04 00:00
EPO; JPO; DERWENT;		'44			2003/02/04 09:30
DERWENT;]		and (carrier parasitio) with (lifetime capacitance)		
IBM_TDB					
				IBM_TDB	

-	141	and (carrier parasitic) with (lifetime capacitance)) and	USPAT; US-PGPUB;	2003/02/04 09:10
		@ad<=20011024 "	EPO; JPO; DERWENT;	
-	32531	(carrier parasitic) with (lifetime capacitance)	IBM_TDB USPAT; US-PGPUB;	2003/02/04 09:31
			EPO; JPO; DERWENT; IBM_TDB	
-	0	((carrier parasitic) with (lifetime capacitance)) and 438.\$ccls.	USPAT; US-PGPUB;	2003/02/04 09:31
	5009	((carrier persoitie) with (lifetimes)	EPO; JPO; DERWENT; IBM_TDB	
	3003	((carrier parasitic) with (lifetime capacitance)) and 438/\$.ccls.	USPAT; US-PGPUB; EPO; JPO;	2003/02/04 09:32
-	1847	(((carrier parasitic) with (lifetime capacitance)) and	DERWENT; IBM_TDB USPAT;	2003/02/04 09:32
		438/\$.ccls.) and (epitaxial epitaxy)	US-PGPUB; EPO; JPO;	2000/02/04 09:02
-	1149	((((carrier parasitic) with (lifetime capacitance)) and	DERWENT; IBM_TDB USPAT;	2003/02/04 09:35
		438/\$.ccls.) and (epitaxial epitaxy)) and (dope doping)	US-PGPUB; EPO; JPO; DERWENT;	
-	305	(((((carrier parasitic) with (lifetime capacitance)) and 438(\$.ccls.) and (epitaxial epitaxy)) and (dope doping)) and	IBM_TDB USPAT; US-PGPUB;	2003/02/04 09:33
		lattice	EPO; JPO; DERWENT;	
-	7	((((((carrier parasitic) with (lifetime capacitance)) and 438/\$.ccls.) and (epitaxial epitaxy)) and (dope doping)) and lattice) and fourth with (dope doping)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/02/04 09:34
-	99	(((((carrier parasitic) with (lifetime capacitance)) and	DERWENT; IBM_TDB USPAT;	2003/02/04 09:45
		438/\$.ccls.) and (epitaxial epitaxy)) and (dope doping)) and hot with carrier	US-PGPUB; EPO; JPO; DERWENT;	
-] [(((((carrier parasitic) with (lifetime capacitance)) and 438/\$.ccls.) and (epitaxial epitaxy)) and (dope doping)) and	IBM_TDB USPAT; US-PGPUB;	2003/02/04 09:46
		(doped dope) with (epitaxial epitaxy)	EPO; JPO; DERWENT; IBM_TDB	
-	i	(((((carrier parasitic) with (lifetime capacitance)) and 438/\$.ccls.) and (epitaxial epitaxy)) and (dope doping)) and (doped dope) with (epitaxial epitaxy)) and @ad<=20011024	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/02/04 09:47
-		5540785.URPN. 6130471.URPN.	IBM_TDB USPAT	2003/02/04 10:28
-	18	("4526593" "4647494" "5008207" "5031029" "5159508" '5246884" "5259918" "5316958" "5319240" "5322813" '5378922" "5461243" "5534079" "5540785" "5607511" '5734193" "5760457" "5864169").PN.	USPAT USPAT	2003/02/04 10:28 2003/02/04 10:29
-	15 (["3293087" "3455748" "3829889" "3969749" "4000020"	USPAT	2003/02/04 10:29

Search History 7/9/03 9:19:01 AM Page 3

- 1	20	C404040 LIDDY		
1 -	20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	USPAT	2003/02/04 10:31
1	8 8		USPAT	2003/02/04 10:55
1_	207	· ·	USPAT	2003/02/04 11:07
	207	lattice with (matching) with (silicon polysilicon)	USPAT;	2003/02/04 11:10
			US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
	2	lattice with (matching) with (dope doped doping) with (silicon polysilicon)	US-PGPUB; EPO; JPO; DERWENT;	2003/02/04 11:08
-	192	(lattice with (matching) with (silicon polysilicon)) and @ad<=20011024	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/02/04 11:10
-	2715	((257/297) or (148/33.5) or (257/215) or (257/376) or (257/549) or (257/657) or (257/660) or (257/921) or (257/E27.084) or (438/294) or (438/499) or (438/506) or (438/953)).CCLS.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/02/04 11:24
-	224	(((257/297) or (148/33.5) or (257/215) or (257/376) or (257/549) or (257/657) or (257/660) or (257/921) or (257/E27.084) or (438/294) or (438/499) or (438/506) or (438/953)).CCLS.) and minority with carrier	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/02/04 11:25
-	78681	(((257/297) or (148/33.5) or (257/215) or (257/376) or (257/549) or (257/657) or (257/660) or (257/921) or (257/E27.084) or (438/294) or (438/499) or (438/506) or (438/953)).CCLS.) and ((minority charge) with carrier)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/02/04 11:24
_	681	(parasitic) (((257/297) or (148/33.5) or (257/215) or (257/376) or (257/549) or (257/657) or (257/660) or (257/921) or (257/E27.084) or (438/294) or (438/499) or (438/506) or (438/953)).CCLS.) and (((minority charge) with carrier)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/02/04 11:24
-	101	(parasitic)) ((((257/297) or (148/33.5) or (257/215) or (257/376) or (257/549) or (257/657) or (257/660) or (257/921) or (257/E27.084) or (438/294) or (438/499) or (438/506) or (438/953)).CCLS.) and minority with carrier) and (epitaxy	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/02/04 11:25
-	101	epitaxial) (((((257/297) or (148/33.5) or (257/215) or (257/376) or (257/549) or (257/657) or (257/660) or (257/921) or (257/E27.084) or (438/294) or (438/499) or (438/506) or (438/953)).CCLS.) and minority with carrier) and (epitaxy epitaxial)) and @ad<=20011024	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/02/04 11:27
_	5	4035205.URPN.	IBM_TDB	2002/02/24
-	5	5462883.URPN.	USPAT USPAT	2003/02/04 11:33
-	9	("3293087" "3455748" "4000020" "4351856" "4534804" "4601779" "4861393" "5013681" "5261999").PN.	USPAT	2003/05/27 11:07 2003/05/27 11:08
-		438/491	USPAT; US-PGPUB	2003/05/27 11:08
-	i	438/495	USPAT; US-PGPUB	2003/05/27 11:08
-		((438/491) or (438/495) or (438/499) or (438/506) or (438/519) or (438/508) or (438/505) or (438/for.269)).CCLS.	USPAT; US-PGPUB	2003/05/27 11:09
-	0	(((438/491) or (438/495) or (438/499) or (438/506) or (438/519) or (438/508) or (438/505) or (438/for.269)).CCLS.) and lattice and strain and contraction	USPAT; US-PGPUB	2003/05/27 11:10
_	19	(((438/491) or (438/495) or (438/499) or (438/506) or (438/519) or (438/508) or (438/505) or (438/for.269)).CCLS.) and lattice and strain	USPAT; US-PGPUB	2003/05/27 11:16

	-	3693	epitaxial with (silicon polysilicon) and (strain contraction lattice)	USPAT; US-PGPUB	2003/05/27 11:28
ı	-	35	(((438/491) or (438/495) or (438/499) or (438/506) or (438/519) or (438/508) or (438/505) or (438/for.269)).CCLS.)	USPAT;	2003/05/27 11:18
			and (epitaxial with (silicon polysilicon) and (strain contraction	US-PGPUB	
		1	lattice))		
	-	1811	(epitaxial with (silicon polysilicon) and (strain contraction lattice)) and 438/\$.ccls.	USPAT; US-PGPUB	2003/05/27 11:28
	-	283	((epitaxial with (silicon polysilicon) and (strain contraction	USPAT;	2003/05/27 11:29
-		074	lattice)) and 438/\$.ccls.) and multiple with layer	US-PGPUB	
	-	271	(((epitaxial with (silicon polysilicon) and (strain contraction lattice)) and 438/\$.ccls.) and multiple with layer) and silicon with (substrate wafer)	USPAT; US-PGPUB	2003/05/27 11:35
	-	125586	"271" not (gallium)	USPAT;	2003/05/27 11:35
		117	((((epitaxial with (silicon polysilicon) and (strain contraction	US-PGPUB USPAT;	2002/05/27 11:26
-			lattice)) and 438/\$.ccls.) and multiple with layer) and silicon	US-PGPUB	2003/05/27 11:36
-			with (substrate wafer)) not (gallium)	00-1 01 01	
	-	9	(((438/491) or (438/495) or (438/499) or (438/506) or	USPAT;	2003/05/27 11:50
1			(438/519) or (438/508) or (438/505) or (438/for.269)).CCLS.)	US-PGPUB	2000/00/2/ 11:00
			and dopant with gradient		
	-	8	5332689.URPN.	USPAT	2003/05/27 11:56
	-	22	("3856647" "3900597" "4240196" "4251571" "4270960"	USPAT	2003/05/27 12:00
1			"4631804" "4742020" "4897360" "5059556" "5110757"		
			"5225951" "5233459" "5287081" "5298436" "5303595"		
			"5319479" "5332689" "5393351" "5633552" "5753134"		
		25	"5863659" "6268068").PN.		
	- !	25	4247862.URPN.	USPAT	2003/05/27 12:02
	-	1 25	"4113513".PN.	USPAT	2003/05/27 12:06
	_	908	4247862.URPN. (/438/491) or (/238/495) or (/438/490) or (/438/595) or	USPAT	2003/05/27 12:06
	_	906	((438/491) or (438/495) or (438/499) or (438/505) or (438/506) or (438/508) or (438/519) or (438/761) or	USPAT;	2003/05/27 12:52
1			(438/.for269) or (438/.for291) or (438/.for292) or	US-PGPUB;	
			(438/.for293) or (438/.for302) or (438/.for314) or	EPO; JPO; DERWENT;	
			(438/.for393) or (438/.for394) or (438/.for400) or	IBM_TDB	
			(427/255.38)).CCLS.	I IDM_I DB	
	- 1	11	(((438/491) or (438/495) or (438/499) or (438/505) or	USPAT;	2003/05/27 12:54
		,	(438/506) or (438/508) or (438/519) or (438/761) or	US-PGPUB	2000/00/27 12:54
			(438/.for269) or (438/.for291) or (438/.for292) or	00,00	
	ĺ		(438/.for293) or (438/.for302) or (438/.for314) or		
			(438/.for393) or (438/.for394) or (438/.for400) or		
		ĺ	(427/255.38)).CCLS.) and dop\$3 with lattice with match\$3		
	-	0	semicondcutor and dop\$3 with lattice with match\$3	EPO; JPO	2003/05/27 12:57
1	-	58	dop\$3 with lattice with match\$3	EPO; JPO	2003/05/27 12:55
'	-	40	(dop\$3 with lattice with match\$3) and semiconductor	EPO; JPO	2003/05/27 12:55
	•	40	semiconductor and dop\$3 with lattice with match\$3	EPO; JPO	2003/05/27 12:57
'	•	345	semiconductor and dop\$3 with lattice with match\$3	USPAT;	2003/05/27 12:58
	_	182	/comiconductor and dan@2 with lattice with weet the account	US-PGPUB	000000000000000000000000000000000000000
1		102	(semiconductor and dop\$3 with lattice with match\$3) not gallium	USPAT;	2003/05/27 12:58
.	.	4	5540785.URPN.	US-PGPUB	0000/05/07 10 15
1.	.	13	("5013681" "5024723" "5303255" "5374564" "5540785"	USPAT	2003/05/27 13:10
		.5	"5646058" "5681775" "5757038" "5877070" "5882987"	USPAT	2003/05/27 13:11
			"5953620" "5980633" "6004865").PN.		
.	.	25	4247862.URPN.	USPAT	2003/05/27 42:46
.	.	8	5332689.URPN.	USPAT	2003/05/27 13:16 2003/05/27 13:44
-		35297	doped with lattice with matching layer with (polysilicon)	USPAT;	2003/05/27 13:44 2 2003/05/27 14:42
			,	US-PGPUB	2000/00/2/ 14.42
-		19050	(doped with lattice with matching layer with (polysilicon)) and	USPAT;	2003/05/27 14:41
			438/\$.ccls.	US-PGPUB	2000/00/2/ 14.41
-	,	0	doped with lattice with matching with layer with (polysilicon)	USPAT;	2003/05/27 14:42
1		l		US-PGPUB	_555750727 17.72
-		51	doped with lattice with matching with layer	USPAT;	2003/05/27 14:42
L				US-PGPUB	

-	79	doped with lattice with matching with layer	USPAT;	2003/05/27 15:14
			US-PGPUB;	
			EPO; JPO;	
	1		DERWENT;	
1_	5	((doped with lattice with matching with layer) and doped with	IBM_TDB	2000/05/55
1	ı	substrate) and gradient	USPAT;	2003/05/27 15:15
		Substrate) and gradient	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
-	61	(doped with lattice with matching with layer) and doped with	IBM_TDB USPAT;	2002/05/27 45:46
		substrate	US-PGPUB;	2003/05/27 15:16
1			EPO; JPO;	
ļ			DERWENT:	
			IBM_TDB	
-	1	5801405.pn.	USPAT;	2003/05/27 15:35
			US-PGPUB	
-	1302	((438/491) or (438/495) or (438/499) or (438/505) or	USPAT;	2003/07/08 14:34
1		(438/508) or (438/761) or (438/for.291) or (438/for.292) or	US-PGPUB	
		(438/for.293) or (438/for.302) or (438/for.314) or		
		(438/for.393) or (438/for.394) or (438/for.400) or		
ļ		(427/255.38) or (257/376) or (257/385) or (257/386) or		
[_	3077	(257/400)).CCLS.		
_	3077	((438/491) or (438/495) or (438/499) or (438/505) or	USPAT;	2003/07/08 14:35
	1	(438/508) or (438/761) or (438/for.291) or (438/for.292) or (438/for.293) or (438/for.302) or (438/for.314) or	US-PGPUB;	
	}	(438/for.393) or (438/for.394) or (438/for.400) or	EPO; JPO;	
		(427/255.38) or (257/376) or (257/385) or (257/386) or	DERWENT;	
	1	(257/400)).CCLS.	IBM_TDB	
-	1 1	(((438/491) or (438/495) or (438/499) or (438/505) or	USPAT:	2003/07/08 14:37
	1	(438/508) or (438/761) or (438/for.291) or (438/for.292) or	US-PGPUB	2003/07/06 14.37
		(438/for.293) or (438/for.302) or (438/for.314) or	00-1 01 00	
1	1	(438/for.393) or (438/for.394) or (438/for.400) or		1
1		(427/255.38) or (257/376) or (257/385) or (257/386) or		
		(257/400)).CCLS.) and ((doped dope) with (polysilicon) with	İ	
į	_	(multilayer))		
-	6	(((438/491) or (438/495) or (438/499) or (438/505) or	USPAT;	2003/07/08 14:38
		(438/508) or (438/761) or (438/for.291) or (438/for.292) or	US-PGPUB	,
	1	(438/for.293) or (438/for.302) or (438/for.314) or		
		(438/for.393) or (438/for.394) or (438/for.400) or		
		(427/255.38) or (257/376) or (257/385) or (257/386) or (257/400)) CCLS \ and ((denot denot) with (ask all)		
		(257/400)).CCLS.) and ((doped dope) with (polysilicon) with (epitaxy epitaxial))		
_		(((438/491) or (438/495) or (438/499) or (438/505) or	LICDAT	2002/07/00 44:00
		(438/508) or (438/761) or (438/for.291) or (438/for.292) or	USPAT; US-PGPUB	2003/07/08 14:39
		(438/for.293) or (438/for.302) or (438/for.314) or	03-7-01-08	
		(438/for.393) or (438/for.394) or (438/for.400) or		
	ĺ	(427/255.38) or (257/376) or (257/385) or (257/386) or		
		(257/400)).CCLS.) and ((multilayer ("multi layer")) with		
		(polysilicon))		
-	8	("4370510" "4441249" "4866003" "4916089" "4963506"	USPAT	2003/07/08 14:46
		"4988640" "5116784" "5141892").PN.		
_		5141892.URPN.	USPAT	2003/07/08 14:54
-	6	("4249968" "4507349" "4829024" "4830972" "4977104" "5670306") PM	USPAT	2003/07/08 14:57
_		"5679306").PN. 5116784.URPN.		
_			USPAT	2003/07/08 14:58
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